

## Product datasheet for **AR50216PU-N**

### Glutathione peroxidase 7 / GPX7 (20-187, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Glutathione peroxidase 7 / GPX7 (20-187, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHMQQEQD FYDFKAVNIR GKLVSLEKYR GSVSLVNVVA SECGFTDQHY RALQQLQRDL GPHHFNVLAF PCNQFGQQEP DSNKEIESFA RRTYSVSFPM FSKIAVTGTG AHPAFKYLAQ TSGKEPTWNF WKYLVAPDGK VVGAWDPTVS VEEVRPQITA LVRKLILLKR EDL
Tag:	His-tag
Predicted MW:	21.8 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human GPX7 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_056511</a>
Locus ID:	2882
UniProt ID:	<a href="#">Q96SL4</a>
Cytogenetics:	1p32.3
Synonyms:	CL683, GSHPx-7



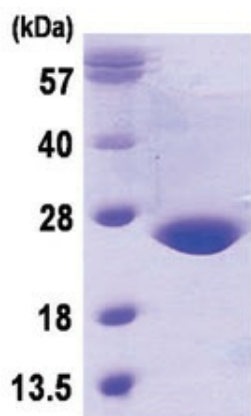
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**Summary:** It protects esophageal epithelia from hydrogen peroxide-induced oxidative stress. It suppresses acidic bile acid-induced reactive oxygen species (ROS) and protects against oxidative DNA damage and double-strand breaks.[UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** Arachidonic acid metabolism, Glutathione metabolism

**Product images:**



15% SDS-PAGE (3ug)